

135031-01

3500/20 RIM I/O Module with Modem Interface

Bently Nevada 135031-01 is the rear I/O module with an internal modem interface for a documented 3500/20 Rack Interface Module. It supports rack configuration and machinery-data collection through the matched 3500 rack interface.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500/20 Rack Interface Module
Part number	135031-01
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 135031-01 only in the documented Bently Nevada 3500/20 Rack Interface Module position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and internal-modem communications and rear I/O interfacing for the 3500/20 RIM under controlled conditions.

System Role and Architecture

Bently Nevada 135031-01 is the rear I/O module with an internal modem interface for a documented 3500/20 Rack Interface Module. It supports rack configuration and machinery-data collection through the matched 3500 rack interface.

FUNCTION 1
Exact article identity 135031-01

FUNCTION 2
3500/20 RIM I/O Module with Modem Interface

FUNCTION 3
Documented role: internal-modem communications and rear I/O interfacing for the 3500/20 RIM

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

1 Bently Nevada 330104-00-20-05-02-00

2 Bently Nevada 330103-00-08-10-02-05

3 Bently Nevada 330104-00-04-05-02-00

4 Bently Nevada 330104-10-20-05-02-00

5 Bently Nevada 3300-45-02-01-02-00

6 Bently Nevada 330101-00-19-10-02-00

7 Bently Nevada 330854-080-25-00

8 Bently Nevada 330103-05-15-05-02-00

9 Bently Nevada 330103-12-25-10-01-00

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3500/20 Rack Interface Module
02	Matched Bently Nevada host module, Proximitor Sensor or rack position
03	Documented wiring, cable route, connectors, shields and grounding
04	Approved configuration and controlled acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3500/20 Rack Interface Module
Interface role	internal-modem communications and rear I/O interfacing for the 3500/20 RIM
Field / power context	documented machinery-monitoring rack or matched transducer-loop position
Commissioning evidence	Identity, interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete 135031-01 marking, product role and documented installation position.
- 2

Place the machinery protection system and connected process in the approved maintenance state.
- 3

Isolate power and field circuits, prove the safe state and apply ESD controls where required.
- 4

Record every mating component, terminal, connector, shield, cable route and configuration assignment.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Spare part number	135031-01	Modem cable length	2.1 m (7 ft) maximum
Module role	RIM I/O module with modem interface	Rack position	One full-height rear slot behind the 3500/20 RIM
Communications	Hayes AT-compatible internal modem	Host requirement	One 3500/20 RIM per 3500 rack
Protocol	Bently Nevada proprietary	System purpose	3500 rack configuration and machinery-data collection
Maximum modem data rate	14.4 kbaud	Related system contacts	Trip Multiply, Alarm Inhibit and Rack Reset at the RIM I/O

RELATED PRODUCT PAGES

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4 Bently Nevada 330104-10-20-05-02-00

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7 Bently Nevada 330854-080-25-00

8 Bently Nevada 330103-05-15-05-02-00

9 Bently Nevada 330103-12-25-10-01-00

ENGINEERING BOUNDARY

Confirm 135031-01, its matched Bently Nevada 3500/20 Rack Interface Module host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 135031-01 marking, product role and documented installation position.
- 2

Place the machinery protection system and connected process in the approved maintenance state.
- 3

Isolate power and field circuits, prove the safe state and apply ESD controls where required.
- 4

Record every mating component, terminal, connector, shield, cable route and configuration assignment.

Applications and Engineering Context

Machinery-protection planned maintenance

Restores internal-modem communications and rear I/O interfacing for the 3500/20 RIM in the documented monitoring architecture.

3500/20 RIM I/O Module with Modem Interface replacement

Uses exact 135031-01 identity instead of an adjacent order-code execution.

Monitoring-system refurbishment

Preserves the installed host position, mating interfaces, wiring and approved configuration.

Controlled recommissioning

Confirms diagnostics and the affected measurement or communication function before operation.

TECHNICAL NOTE

Install 135031-01 only in the documented Bently Nevada 3500/20 Rack Interface Module position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and internal-modem communications and rear I/O interfacing for the 3500/20 RIM under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	135031-01 recorded
Host / carrier	Bently Nevada 3500/20 Rack Interface Module
Physical interface	Installed mating components and field interfaces matched to the as-found record
Configuration	Approved rack, channel or transducer-loop configuration restored
Functional proof	Controlled test confirms internal-modem communications and rear I/O interfacing for the 3500/20 RIM

IMPORTANT NOTICE

Confirm 135031-01, its matched Bently Nevada 3500/20 Rack Interface Module host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Bently Nevada 330104-00-20-05-02-00

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MANUFACTURER SOURCE RECORD

3500/20 Rack Interface Module Datasheet 141531 Rev. D | Baker Hughes / Bently Nevada official manufacturer evidence, verified 28 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.